From: Suplee, Mike
To: Laidlaw, Tina
Subject: Spreadsheet
Date: Friday, October 24, 2014 11:48:50 AM
Attachments: Montana Nutrient Assessment Method_ms.xlsx

Hi Tina;
Here is the spreadsheet, wherever I had a comment you will see a small red triangle in the corner of a cell.
-Mike

Type	Category
General	Numeric Nutrient Std (Y or N)
General	Narrative Nutrient Standard only (Y or N)
General	Assess Nutrient with combination of Numeric and Narrative (Y or N)
General	If Numeric what is the value (ug/L)
General	If Narrative, does the state have assessment methods to identify nutrient impairment? (Y/N)
General	If no to question above, has the State ever listed for Nutrients? (Y or N)
General	Nutrient Methods for Recreational Use (Y or N)
Recreational Use	If yes to question above Answer Rows 15-30, for nutrient indicators for Recreational use only, If no, skip to Row 33
Recreational Use	List for Causal Indicators (Y or N)
Recreational Use	If Yes, what is the causal indicator?
Recreational Use	If Yes, what is the causal indicator?
Recreational Use	If Yes, what is the causal indicator?
Recreational Use	List for Response Indicators (Y or N)
Recreational Use	List based on Response Indicators:
Recreational Use	List based on Response Indicators:
Recreational Use	List based on Response Indicators:
Recreational Use	List based on Response Indicators:
Recreational Use	List based on Response Indicators:
Recreational Use	List based on Response Indicators:
Recreational Use	List based on Response Indicators:
Recreational Use	Benthic Macroinvertebrates (for nutrients)
Recreational Use	Benthic Macroinvertebrates (for nutrients)
Recreational Use	Method of Analysis
Recreational Use	Method of Analysis
Recreational Use	Method of Analysis
Recreational Use	Method of Analysis
Recreational Use	Method of Analysis
Recreational Use	Method of Analysis
Recreational Use	Method of Analysis
Recreational Use	Modeling for nutrient listing (Y or N)
Recreational Use	Use EPA ecoregion nutrient criteria (Y or N)
Aquatic Life Use	Nutrient Methods for Aquatic Life Use (Y or N)
Aquatic Life Use	List for Causal Indicators (Y or N)

Aquatic Life Use	If Yes, what is the causal indicator?
Aquatic Life Use	If Yes, what is the causal indicator?
Aquatic Life Use	If Yes, what is the causal indicator?
Aquatic Life Use	List for Response Indicators (Y or N)
Aquatic Life Use	List based on Response Indicators
Aquatic Life Use	List based on Response Indicators
Aquatic Life Use	List based on Response Indicators
Aquatic Life Use	List based on Response Indicators
Aquatic Life Use	List based on Response Indicators
Aquatic Life Use	List based on Response Indicators
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Aquatic Life Use	List based on Response Indicators
Aquatic Life Use	List based on Response Indicators
Aquatic Life Use	List based on Response Indicators
Aquatic Life Use	List based on Response Indicators
Aquatic Life Use	Method of Analysis
Aquatic Life Use	Method of Analysis
Aquatic Life Use	Method of Analysis
Aquatic Life Use	Method of Analysis
Aquatic Life Use	Method of Analysis
Aquatic Life Use	Method of Analysis
Aquatic Life Use	Method of Analysis
General	Modeling for nutrient listing (Y or N)
General	Use EPA ecoregion nutrient criteria (Y or N)

State
Are states Methods Posted or Publically available?
If Yes, Please provide link

EPA Point of Contact

Subcategory	Freshwater non-tidal streams/rivers
	N
	Y
	Y
	N/A
	Y
	Y
	Y
	Y
Total Phosphorus (Y or N)	Y
Total Nitrogen (Y or N)	Y
Nitrate (Y or N)	Y
	Y
Chlorophyll-a (Y or N)	Y
TSI (Y or N)	Y
Secchi (Y or N)	N
Microcystins (Y or N)	N
Visual Assessment (Y or N)	N
HABs (Y or N)	N
% cyanobacteria (Y or N)	N
Diatoms (Y or N)	N
Other (please state)	N
Reference condition (Y or N)	N
Stressor ID (Y or N)	N
Decision Matrix (Y or N)	Y
Tiered Approach (Y or N)	N
Weight-of-Evidence (Y or N)	N
BPJ (Y or N)	N
Case-by-case rationale (Y or N)	N
	N
	N
	Y
	Y

Total Phosphorus (Y or N)	Y
Total Nitrogen (Y or N)	Y
Nitrate (Y or N)	Y
	Y
Dissolved Oxygen Criterion (Y or N)	Y
DO flux (Y or N)	Y
Chlorophyll-a (Y or N)	Y
pH (Y or N)	Y
Benthic Macroinvertebrates (Y or N)	Y
Benthic Macroinvertebrates Index (Y or N)	Y
Diatoms (Y or N)	Y
Diatom Metric (Y or N)	Y
TSI (Y or N)	N
% cyanobacteria (Y or N)	N
BOD (Y or N)	Y
Other (please state)	N
Reference condition (Y or N)	N
Stressor ID (Y or N)	N
Decision Matrix (Y or N)	Y
Tiered Approach (Y or N)	N
Weight-of-Evidence (Y or N)	Y
BPJ (Y or N)	Y
Case-by-case rationale (Y or N)	N
	N
	N

Montana
Yes

http://deq.mt.gov/wqinfo/qaprogram/sops.mcpx

Tina Laidlaw

Freshwater Lakes	Estuary	Coastal v	Tidal River/Streams
N	N/A	N/A	N/A
Y	N/A	N/A	N/A
N	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N	N/A	N/A	N/A
Y	N/A	N/A	N/A
N	N/A	N/A	N/A
Y	N/A	N/A	N/A
Y	N/A	N/A	N/A
Y	N/A	N/A	N/A
Y	N/A	N/A	N/A
Y	N/A	N/A	N/A
Y	N/A	N/A	N/A
Y	N/A	N/A	N/A
Y	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
Y	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
Y	N/A	N/A	N/A
Y	N/A	N/A	N/A

Y	N/A	N/A	N/A
Y	N/A	N/A	N/A
Y	N/A	N/A	N/A
Y	N/A	N/A	N/A
Y	N/A	N/A	N/A
N	N/A	N/A	N/A
Y	N/A	N/A	N/A
Y	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
Y	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
Y	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A
Y	N/A	N/A	N/A
N	N/A	N/A	N/A
N	N/A	N/A	N/A